

Title (en)

HEATER AND GLOW PLUG EQUIPPED WITH SAME

Title (de)

HEIZELEMENT UND DAMIT VERSEHENE GLÜHKERZE

Title (fr)

ÉLÉMENT CHAUFFANT ET BOUGIE DE PRÉCHAUFFAGE POURVUE DE CELUI-CI

Publication

**EP 2869666 B1 20170329 (EN)**

Application

**EP 13808581 A 20130627**

Priority

- JP 2012147094 A 20120629
- JP 2013067603 W 20130627

Abstract (en)

[origin: EP2869666A1] A heater of this invention includes an insulating base made of a ceramic, a resistor buried in the insulating base, and leads connected to end portions of the resistor, in which both the resistor and the leads contain electrical conductors and insulating ceramic particles dispersed in the electrical conductors and the insulating ceramic particles contained in the resistor are smaller than the insulating ceramic particles contained in the leads.

IPC 8 full level

**F23Q 7/00** (2006.01); **H05B 3/03** (2006.01); **H05B 3/14** (2006.01); **H05B 3/48** (2006.01)

CPC (source: EP US)

**F23Q 7/001** (2013.01 - EP US); **H05B 3/12** (2013.01 - EP); **H05B 3/141** (2013.01 - EP US); **H05B 3/48** (2013.01 - EP US); **H05B 2203/016** (2013.01 - EP); **H05B 2203/027** (2013.01 - EP)

Citation (examination)

- US 7223942 B2 20070529 - KONISHI MASAHIRO [JP], et al
- JP 2010210134 A 20100924 - NGK SPARK PLUG CO
- JP 2006127995 A 20060518 - NGK SPARK PLUG CO
- JP 2010277706 A 20101209 - NGK SPARK PLUG CO

Designated contracting state (EPC)

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DOCDB simple family (publication)

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